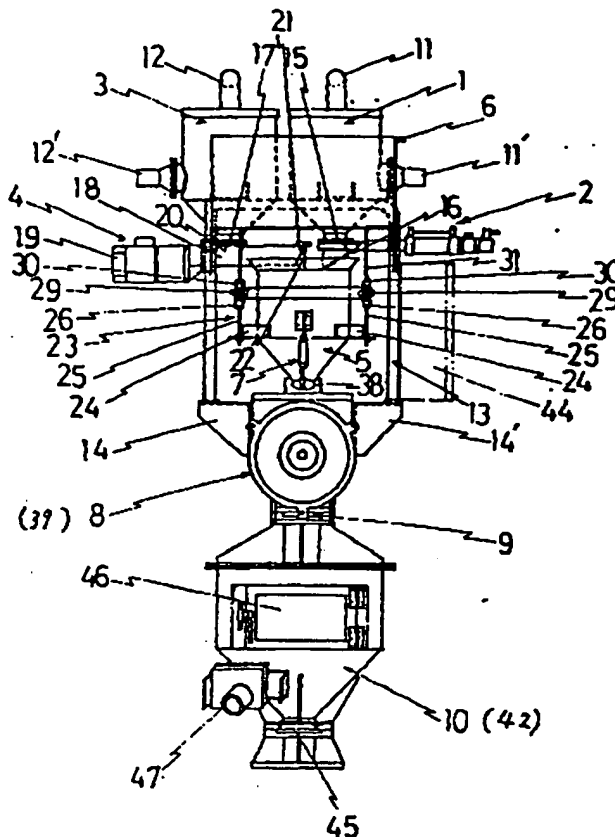


## Patent Abstracts of Japan

PUBLICATION NUMBER : 59082936  
 PUBLICATION DATE : 14-05-84  
 APPLICATION DATE : 02-11-82  
 APPLICATION NUMBER : 57192800  
 APPLICANT : MATSUI SEISAKUSHO:KK;  
 INVENTOR : OGAWA SUSUMU;  
 INT.CL. : B01F 15/04 // B65G 65/40 G01G 19/22  
 TITLE : WEIGHT MEASUREMENT TYPE  
 COMPOUNDING AND MIXING DEVICE  
 FOR GRANULE



**ABSTRACT :** **PURPOSE:** To perform compounding with the higher accuracy which is hardly obtainable with volume measurement by measuring the weight of the granules to be compounded and to make a mixing state more uniform by subjecting compounding and mixing stages respectively to a batch treatment.

**CONSTITUTION:** An opening/closing device 2 is provided to the lower part of a main raw material hopper 1 and an auxiliary raw material supply device 4 is attached to an auxiliary raw material hopper 3. The opening/closing part 16 of the device 2 and the outlet part 21 of the device 4 are positioned to face a measuring tank 5 which is designed to measure a weight with a weight detector 6. A mixing tank 8 provided internally with a stirrer 39 is provided through an opening/closing device 7 below the tank 5 and a storage tank 10 provided internally with a level detector 42 through an opening/closing device 9 is provided below the tank 8. The device 2 is controlled by the on-off signal from a detector 42 provided with an arithmetic control device and also the devices 6, 4 and the devices 7, 9 are controlled to perform the treatment in the tanks 5, 8 in a batch system and to compound the main and auxiliary raw materials with high accuracy in accordance with the weight measured with the device 6.

**COPYRIGHT:** (C)1984,JPO&Japio